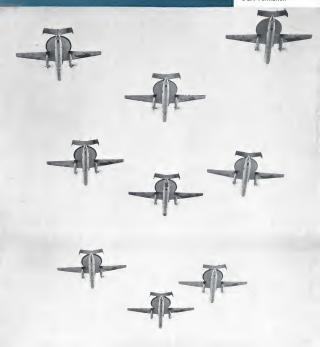
Aviation Week & Space Technology

March 4, 1963

PILOT REPORT:

Grumman E-2A Air Intercept Control System





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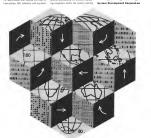
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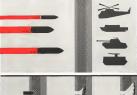
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Extreme reliability, small size and low power consumption were key requirements for telementry systems being built for Gemini spacecraft by Electro-Mechanical Research, Inc. (EMR). Here is the factual story of a line of TI transistors that helped EMR meet those requirements.

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The bissess arcraft lamp made is the landing light (#4556-1000 watts) on the left. The smallest is the instrument bold (6580) on the notify Both are General Electric. In between are over 100 aircraft lamps to fit every possible requirement - military, commercial or general. Whatever you want in aircraft lamps. General Electric has it. Photograph Our Most Inspection Product General Flector Company, Miniature Lamo, Department M-29, Nela Park, Cleveland 12, Ohio. GENERAL SE ELECTRIC



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270-mph take-offs on BFG tires!

Like eather Lockheed F 194's now on duty with the U S. Ast Poece, the new MAP The BFG fabric trend design has proved it can stand up to these pagethles confitions, reducing tread outline and making tread separation virtually impossible Malitole axion also are half melt into the rubber tread stock. This reduces internal treed feeding and coverheating. The MAP F-104 uses the new Tone VIII tips, size

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WHO'S WHERE

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- Washington Roundup -

Soviet Recon Flights

First known Soviet air secondaritates using long-entry aroust his began, Defense 9 a.m., sec stowing at \$6,000 ft and one at 2,000 ft, under the overest. Two more

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AVIATION WEEK & SPACE TECHNOLOGY, Await 4, 1943

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NASA May Drop Surveyor Lunar Orbiter

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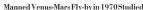
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First RAF Bomber Unit Equipped With Blue Steel





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AVAILAND WERK & SPACE TECHNOLOGY, Hard, 4, 1940.



Creep-rupture properties of (USS) Stainless Steels at 1600', 1800', and 2000'F

Creep and creep-rupture tests were made on annealed Starriess Steel sheets of AISI Types 302. 3095, 3105, 314 and 316, and 3100b at 1600°. 1800" and 2000"E and on appealed Specifiess Steel sheets of AISI Type 446 at \$600" and

1. The sustantilio stainless steels have in zero. 446 Starriess Steel, although the dafference in their strengths becomes less as the temperature is increased from 1600" to 1800".

2. Type 3105 Starriess Steel has the highest creep strength and croep-rupture strength at 1600" and 1800", whereas Type 314 Stainless Steel has the highest strength at 2000° nonholds because of its better avadation resistance.

1600°F) in Types 3098, 3108, 310Cb, 314 and 316. The accompanions tables contain the data ob-

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Jet Commander Purchase Plan Detailed

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The product-powered Northern RP-76 acts but like the real thing. An enemy bomber, It flies at Mach 1.3. Operator at missiles, including heat-cooking types Is it as enemy bember? Or is it the EP-78? It's hard to tell the difference. NODTHOOD VENTURA

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N-on-P Solar Cells Gaining Wider Use

By Borry Miller

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